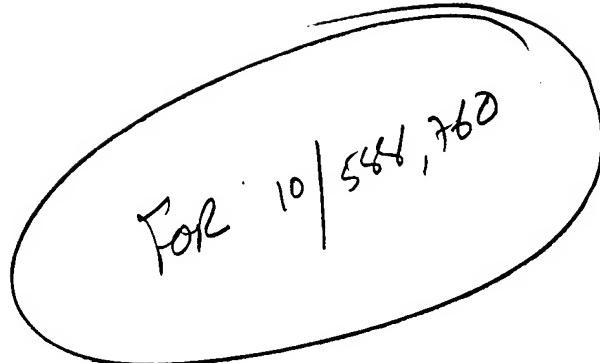


PAT-NO: JP411111064A
DOCUMENT-IDENTIFIER: JP 11111064 A
TITLE: CONDUCTIVE RUBBER SHEET

PUBN-DATE: April 23, 1999

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------|----------------|
| IGARASHI, HISAO | N/A |
| KOKUBO, TERUKAZU | N/A |
| AGEI, KEIKICHI | N/A |



ASSIGNEE-INFORMATION:

| NAME | COUNTRY |
|-------------|----------------|
| JSR CORP | N/A |

APPL-NO: JP09284632

APPL-DATE: October 1, 1997

INT-CL (IPC): H01B005/16 , G01R001/06

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a simple and inexpensive electric continuity check jig by forming recesses and projections having a specific height and spacing of projections, on a surface of a conductive rubber sheet containing a conductive particle in an elastic insulator.

SOLUTION: The height of recesses and projections on a surface falls within a range of (\pm) 2 to (\pm) 100 μm to an average thickness of a conductive rubber sheet, and spacing of projections is set to 10 to 200 μm . Therefore, even if a small electrode of a circuit board is surrounded by an insulation layer and exists in a low position, and even at a narrow electrode interval, the electric connection can be stably performed, and it is not difficult to form a projection of a high projection. It is better to use silicone rubber of a rubber-like

polymer containing a nickel particle covered with gold and silver as conductive rubber. The recesses and projections are formed by a method such as use of a conductive particle having the large particle size, the formation of the recesses and projections on a surface of a metal mold, insertion of a wire net into the metal mold, mixing of a soluble particle such as a calcium carbonate or surface roughening of a surface, slit work and dot printing.

COPYRIGHT: (C)1999,JPO